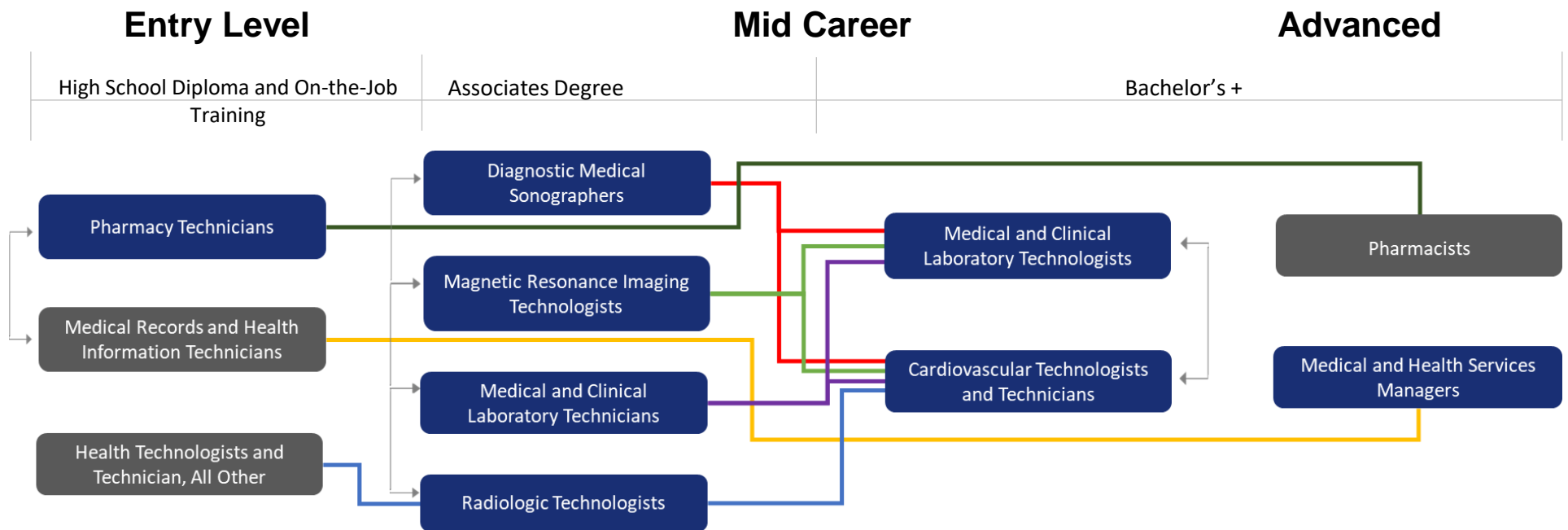

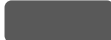



# Health Care Ecosystem Career Lattice

## *Imaging and Diagnostics*



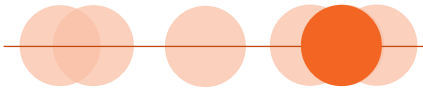
-  = Transferrable Occupation
-  = An affiliated occupation not within the 100 Critical Occupation List
-  = An Occupation within the 100 Critical Occupation List

The lines within this career lattice provide potential pathways that workers can follow within this industry ecosystem. The colors are simply to differentiate one pathway option from the other.

# Diagnostic Medical Sonographers Occupational Profile

## MEDIAN SALARY & WAGES

\$31.90/hour



## COMMON JOB TITLES

Sonographer

Ultrasound Technologist

Ultrasound Technician

## REQUESTED EDUCATION

Post-  
Secondary  
Certificate

Bachelors+

## TOP SKILLS REQUESTED

Social Perceptiveness

Active Listening

Speaking

Critical Thinking

Monitoring

Active Learning

Time Management

Writing

Science

Reading Comprehension

## TOTAL JOBS FOR 2028

1,096



## COMMON KNOWLEDGE COMPETENCIES

English Language

Customer and Personal Service

Physics

Medicine and Dentistry

## TOP CERTIFICATIONS REQUESTED

Registered Cardiac Sonographer

Registered Vascular Technologist

Diagnostic Cardiac Sonographer

Registered Diagnostic Medical  
Sonographer

## SIMILAR INDUSTRIES



Aerospace  
& Defense



Agriculture &  
Biosciences



Energy



Information &  
Financial  
Systems



Transportation  
& Distribution



Construction



Health Care



Education



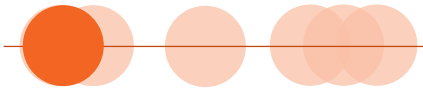
Creative  
Industries

 Indicates an especially close similarity

# Pharmacy Technicians Occupational Profile

## MEDIAN SALARY & WAGES

\$13.98/hour



## COMMON JOB TITLES

Pharmacy Technician

Pharmacy Faculty

## REQUESTED EDUCATION



## TOP SKILLS REQUESTED

Reading Comprehension

Active Listening

Speaking

Critical Thinking

Monitoring

Social Perceptiveness

Service Orientation

Time Management

Mathematics

Coordination

## TOTAL JOBS FOR 2028

5,646



## COMMON KNOWLEDGE COMPETENCIES

Customer and Personal Service

English Language

Mathematics

Medicine and Dentistry

## TOP CERTIFICATIONS REQUESTED

Certified Pharmacy Technician

## SIMILAR INDUSTRIES



Aerospace  
& Defense



Agriculture &  
Biosciences



Energy



Information &  
Financial  
Systems



Transportation  
& Distribution



Construction



Health Care



Education



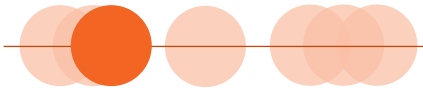
Creative  
Industries

 Indicates an especially close similarity

# Magnetic Resonance Imaging Technologists Occupational Profile

## MEDIAN SALARY & WAGES

\$29.83/hour



## COMMON JOB TITLES

MRI Technologist

MRI Technician

Computed Topography (CT) Technologist

## REQUESTED EDUCATION

Post-Secondary Certificate

Bachelors+

## TOP SKILLS REQUESTED

Reading Comprehension

Active Listening

Speaking

Monitoring

Operation Monitoring

Critical Thinking

Judgment and Decision Making

Time Management

Writing

Service Orientation

## TOTAL JOBS FOR 2028

373



## COMMON KNOWLEDGE COMPETENCIES

English Language

Customer and Personal Service

Medicine and Dentistry

Biology

## TOP CERTIFICATIONS REQUESTED

Radiologic Technologist

Radiation Oncologist

Certified Nursing Assistant

American Registry Of Radiologic Technologists (ARRT) Certified

## SIMILAR INDUSTRIES



Aerospace & Defense



Agriculture & Biosciences



Energy



Information & Financial Systems



Transportation & Distribution



Construction



Health Care



Education



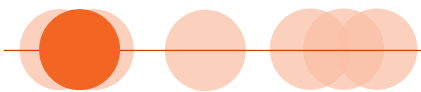
Creative Industries

 Indicates an especially close similarity

# Medical and Clinical Laboratory Technicians Occupational Profile

## MEDIAN SALARY & WAGES

\$14.99/hour



## COMMON JOB TITLES

Laboratory Technician

Medical Technologist

Specimen Processor

Laboratory Technician (Life, Physical, and Social Science)

## REQUESTED EDUCATION



## TOP SKILLS REQUESTED

Reading Comprehension

Active Listening

Speaking

Critical Thinking

Science

Writing

Monitoring

Instructing

Complex Problem Solving

Operation Monitoring

## TOTAL JOBS FOR 2028

2,583



## COMMON KNOWLEDGE COMPETENCIES

Administration and Management

Clerical

English Language

Computers and Electronics

## TOP CERTIFICATIONS REQUESTED

Medical Technologist

American Medical Technologists

## SIMILAR INDUSTRIES



Aerospace  
& Defense



Agriculture &  
Biosciences



Energy



Information &  
Financial  
Systems



Transportation  
& Distribution



Construction



Health Care



Education



Creative  
Industries

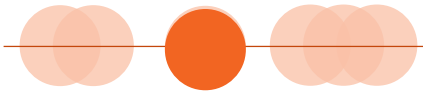
 Indicates an especially close similarity



# Radiologic Technologists Occupational Profile

## MEDIAN SALARY & WAGES

\$24.22/hour



## COMMON JOB TITLES

Radiological Technologist

Radiology Technician

Radiology Nurse

Computed Topography (CT) Technologist

## REQUESTED EDUCATION

Post-Secondary Certificate

Bachelors+

## TOP SKILLS REQUESTED

Reading Comprehension

Active Listening

Speaking

Social Perceptiveness

Writing

Social Perceptiveness

Critical Thinking

Monitoring

Coordination

Service Orientation

## TOTAL JOBS FOR 2028

2,512



## COMMON KNOWLEDGE COMPETENCIES

Customer and Personal Service

Medicine and Dentistry

English Language

Computers and Electronics

## TOP CERTIFICATIONS REQUESTED

Radiologic Technologist

Registered Technologist

Diagnostic Medical Sonographer

American Registry Of Radiologic Technologists (ARRT) Certified

## SIMILAR INDUSTRIES



Aerospace & Defense



Agriculture & Biosciences



Energy



Information & Financial Systems



Transportation & Distribution



Construction



Health Care



Education



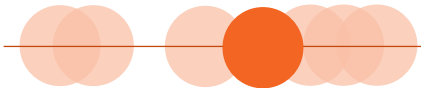
Creative Industries

 Indicates an especially close similarity

# Medical and Clinical Laboratory Technologists Occupational Profile

## MEDIAN SALARY & WAGES

\$26.82/hour



## COMMON JOB TITLES

Medical Technologist  
Laboratory Technician  
Medical Technician  
Medical Laboratory Scientist

## REQUESTED EDUCATION



## TOP SKILLS REQUESTED

Reading Comprehension  
Active Listening  
Critical Thinking  
Science  
Operation Monitoring  
Quality Control Analysis  
Speaking  
Active Learning  
Monitoring  
Complex Problem Solving

## TOTAL JOBS FOR 2028

2,348



## COMMON KNOWLEDGE COMPETENCIES

Administration and Management  
Clerical  
English Language  
Computers and Electronics

## TOP CERTIFICATIONS REQUESTED

American Medical Technologists  
Medical Technologist

## SIMILAR INDUSTRIES



Aerospace  
& Defense



Agriculture &  
Biosciences



Energy



Information &  
Financial  
Systems



Transportation  
& Distribution



Construction



Health Care



Education



Creative  
Industries

Indicates an especially close similarity

# Cardiovascular Technologists and Technicians Occupational Profile

## MEDIAN SALARY & WAGES

\$16.59/hour



## COMMON JOB TITLES

Laboratory Technician

Monitor Technician

Laboratory Technologist

## REQUESTED EDUCATION

High School

Post-  
Secondary  
Certificate

Bachelors+

## TOP SKILLS REQUESTED

Critical Thinking

Active Listening

Speaking

Monitoring

Operation Monitoring

Reading Comprehension

Social Perceptiveness

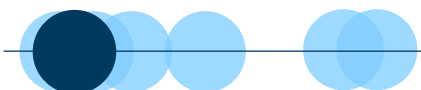
Service Orientation

Judgment and Decision Making

Writing

## TOTAL JOBS FOR 2028

691



## COMMON KNOWLEDGE COMPETENCIES

Medicine and Dentistry

Customer and Personal Service

English Language

Computers and Electronics

## TOP CERTIFICATIONS REQUESTED

Radiologic Technologist

Medical Technologist

Certified Nursing Assistant

American Registry Of Radiologic  
Technologists (ARRT) Certified

## SIMILAR INDUSTRIES



Aerospace  
& Defense



Agriculture &  
Biosciences



Energy



Information &  
Financial  
Systems



Transportation  
& Distribution



Construction



Health Care



Education



Creative  
Industries

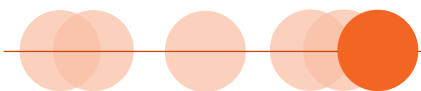
 Indicates an especially close similarity



# Medical and Health Services Managers Occupational Profile

## MEDIAN SALARY & WAGES

\$37.09/hour



## COMMON JOB TITLES

Medical Director  
Director of Nursing (Management)  
Health Services Director  
Clinical Manager (Management)

## REQUESTED EDUCATION



## TOP SKILLS REQUESTED

Speaking  
Critical Thinking  
Reading Comprehension  
Active Listening  
Writing  
Coordination  
Judgment and Decision Making  
Time Management  
Active Learning  
Social Perceptiveness

## TOTAL JOBS FOR 2028

5,899



## COMMON KNOWLEDGE COMPETENCIES

Administration and Management  
English Language  
Customer and Personal Service  
Clerical

## TOP CERTIFICATIONS REQUESTED

Licensed Practical Nurse  
Licensed Clinical Social Worker  
Licensed Professional Counselor

## SIMILAR INDUSTRIES



Aerospace  
& Defense



Agriculture &  
Biosciences



Energy



Information &  
Financial  
Systems



Transportation  
& Distribution



Construction



Health Care



Education



Creative  
Industries

 Indicates an especially close similarity

# Oklahoma's Ecosystems

## WHAT IS AN ECONOMIC ECOSYSTEM?

Oklahoma has identified nine driver and complementary economic systems representing the most prominent industries in terms of wealth generation and growth potential. Driver ecosystems drive wealth generation in Oklahoma, while the complementary ecosystems help to expand wealth in the economy and provide the infrastructure and services to support the driver systems in the state.

- Driver ecosystems: Aerospace and Defense, Agriculture and Biosciences, Energy, Information and Financial Systems, and Transportation and Distribution.
- Complementary Ecosystems: Construction, Health care, Education, and Creative industries.

## WHAT ARE THE 100 CRITICAL OCCUPATIONS?

These occupations represent the most pressing needs in each of Oklahoma's Driver and Complementary Economic Systems necessary for the state's continued growth and economic prosperity. A workforce pipeline for each of the top 100 critical occupations is required for Oklahoma's businesses to grow and for Oklahoma citizens to earn a prosperous living. Factors included in the selection process demonstrate the values of job growth, wealth generation, and education, as outlined below:

- Job growth: all occupations have positive forecasted employment growth over the next ten years
- Wealth Generation: all occupations offer median wages greater than or equal to \$12.00 per hour
- Education: occupations requiring "no formal education" are eliminated, except those that offer greater than or equal to \$20.00 per hour.

## WHAT ARE TRANSFERABLE OCCUPATIONS?

There are occupations that can provide valuable on-the-job training for individuals interested in the 100 Critical Occupations. These are generally entry-level or mid-career level occupations that can help individuals develop the knowledge, skills, and abilities needed to move forward on their career paths.

## WHAT ARE CAREER PATHWAYS?

Career pathways are designed to help people who are looking to make the next step in their careers both envision and plan for their long-term employment goals. The recommended pathways in this report are based on forecasted employment prospects as well as knowledge, skills and ability profile data by specific occupation. These data were gathered from numerous employer-demand driven data sources. Based on these data, Oklahoma Works determined similarities and difference between each occupation's required skill sets and developed possible career pathways options.



**OKLAHOMA**  
**WORKS**

# Glossary

**ABILITIES** – the proficiency, skills, or talent within a particular area.

**CAREER PATHWAY** – a career pathway means a combination of relevant, rigorous and high-quality education, training, and supportive services that aligns both vertically and horizontally across Secondary Education, Adult Basic Education, Workforce Training and Development, Career and Technical Education, and Postsecondary Education systems, pathways, and programs.

**CERTIFICATION** – third party accrediting or authorizing agency or person who assess, verifies, and provides an official documentation that attests a level of achievement.

**COMPETENCIES** – an individual’s ability to do a job properly through a set of behaviors.

**INDUSTRY-ALIGNED CREDENTIAL** – credentials whose standards are aligned to industry-recognized standards.

**INDUSTRY-ENDORSED CREDENTIAL** – credentials whose standards are aligned to and endorsed by industry.

**INDUSTRY-RECOGNIZED CREDENTIAL** – an industry-recognized credential is one that either is developed and offered by, or endorsed by a nationally-recognized industry association or organization representing a sizeable portion of the industry sector, or a credential that is sought or accepted by companies within the industry sector for purposes of hiring or recruitment which may include credentials from vendors of certain products.<sup>1</sup>

**KNOWLEDGE** – the skills and information acquired through education or experience.

**MEDIAN HOURLY EARNINGS** – hourly earnings for the occupation reported at the 50th percentile.

**REQUESTED EDUCATION** – the highest level of education for workers within the given occupational category. Please note these are not the level of education of new incoming workers but of workers currently employed within these positions.

**SKILLS** – the ability or expertise to do something well.

**TOTAL JOBS** – estimated number of jobs in the given year, taken as average over a period of 12-months. This value includes both full- and part-time jobs.



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<sup>1</sup> For this analysis, TPMA utilized certifications data from a third-party data aggregator, Economic Modeling Specialists, Inc., which daily accesses over 300 million unique job postings records. Though these certifications have not been vetted by Oklahoma Works, they are observed as commonly requested by industry employers.